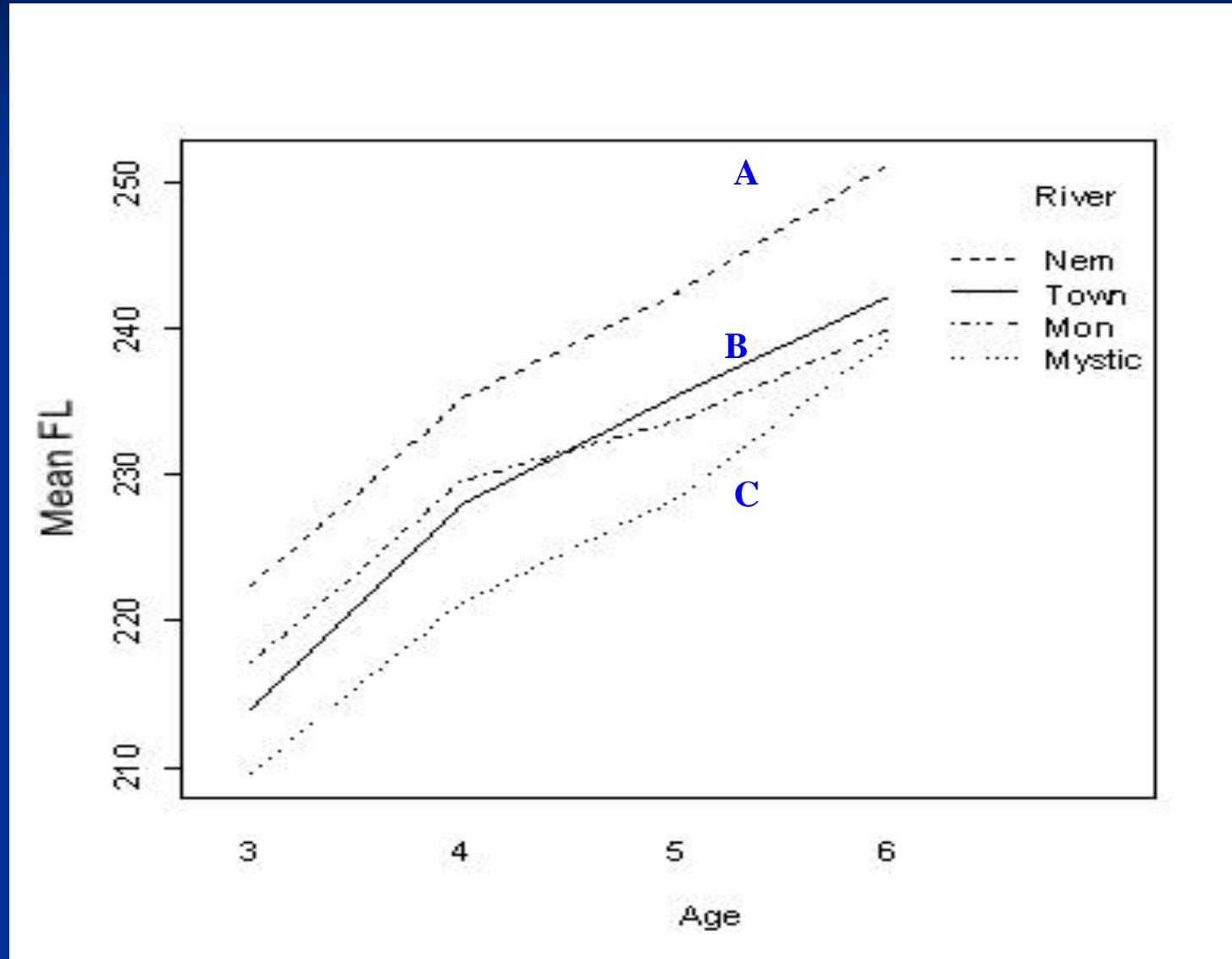
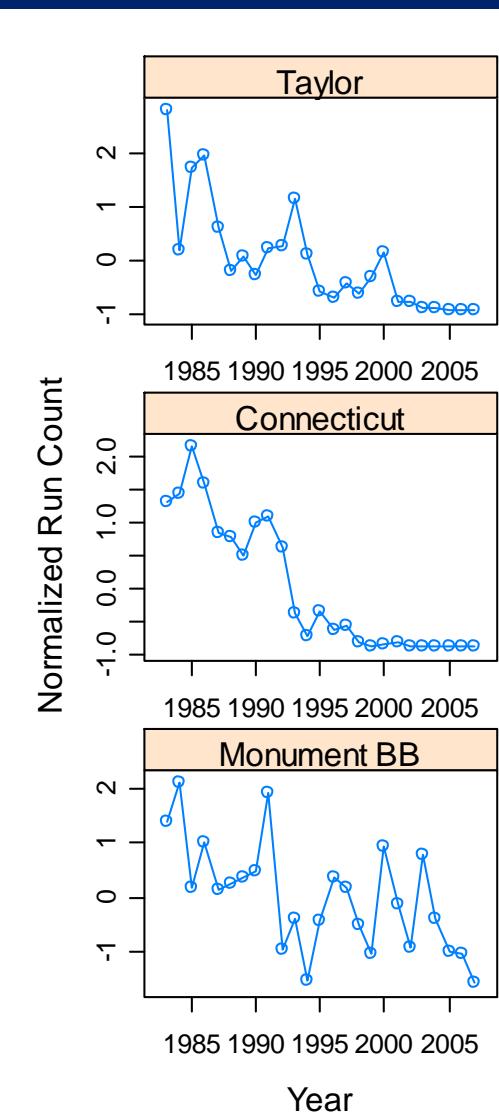
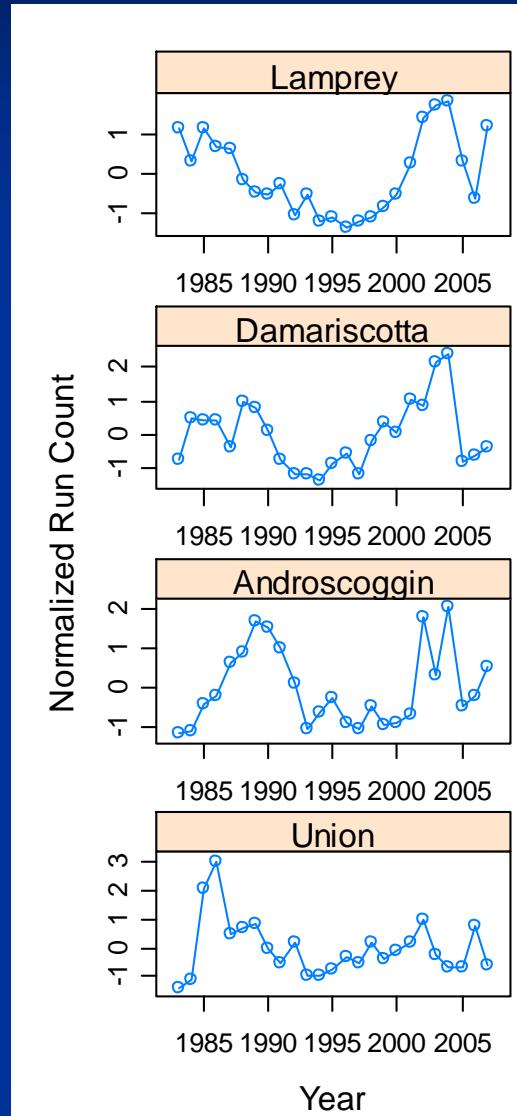
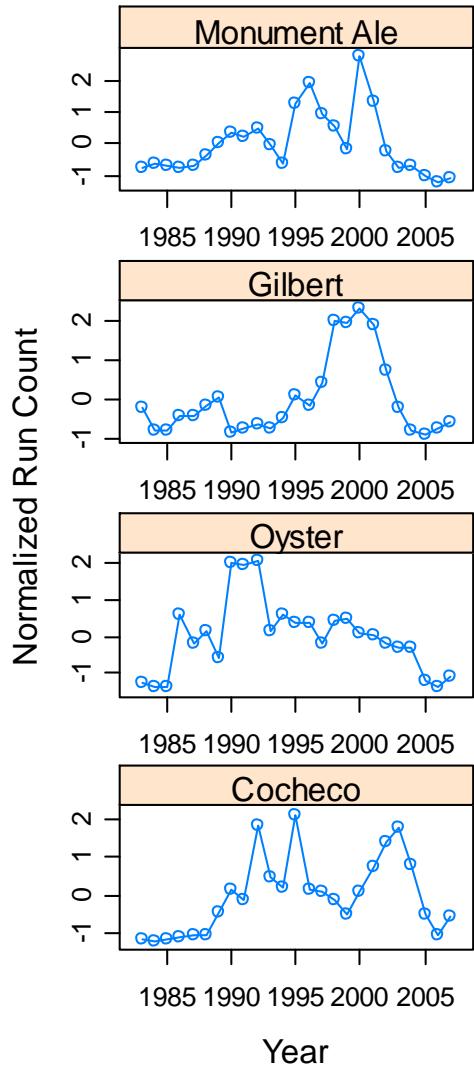


Evidence for fine scale stock structure: Differences in length at age for alewives in 4 MA rivers

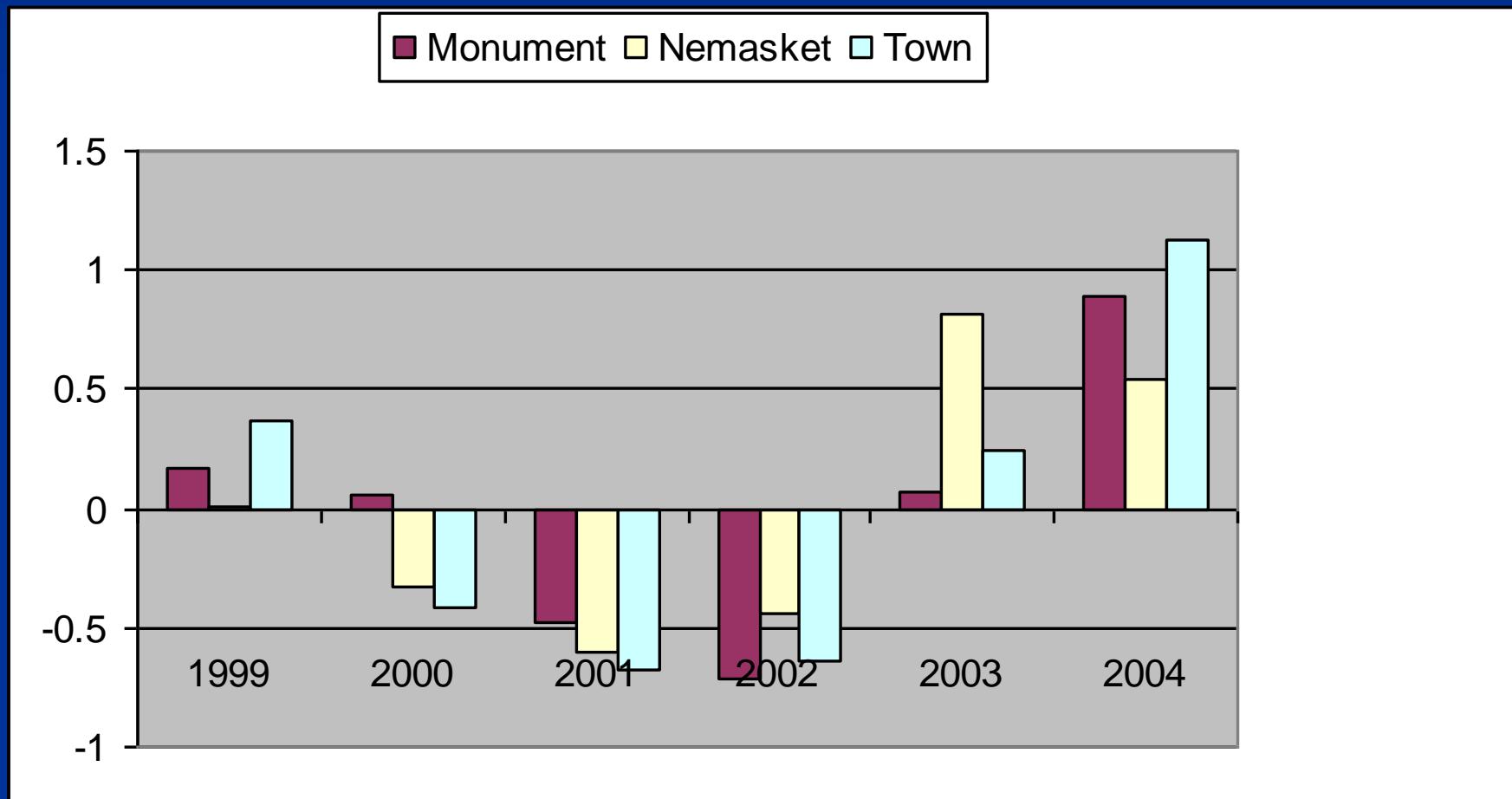


Evidence for Broader Scale Stock Structure

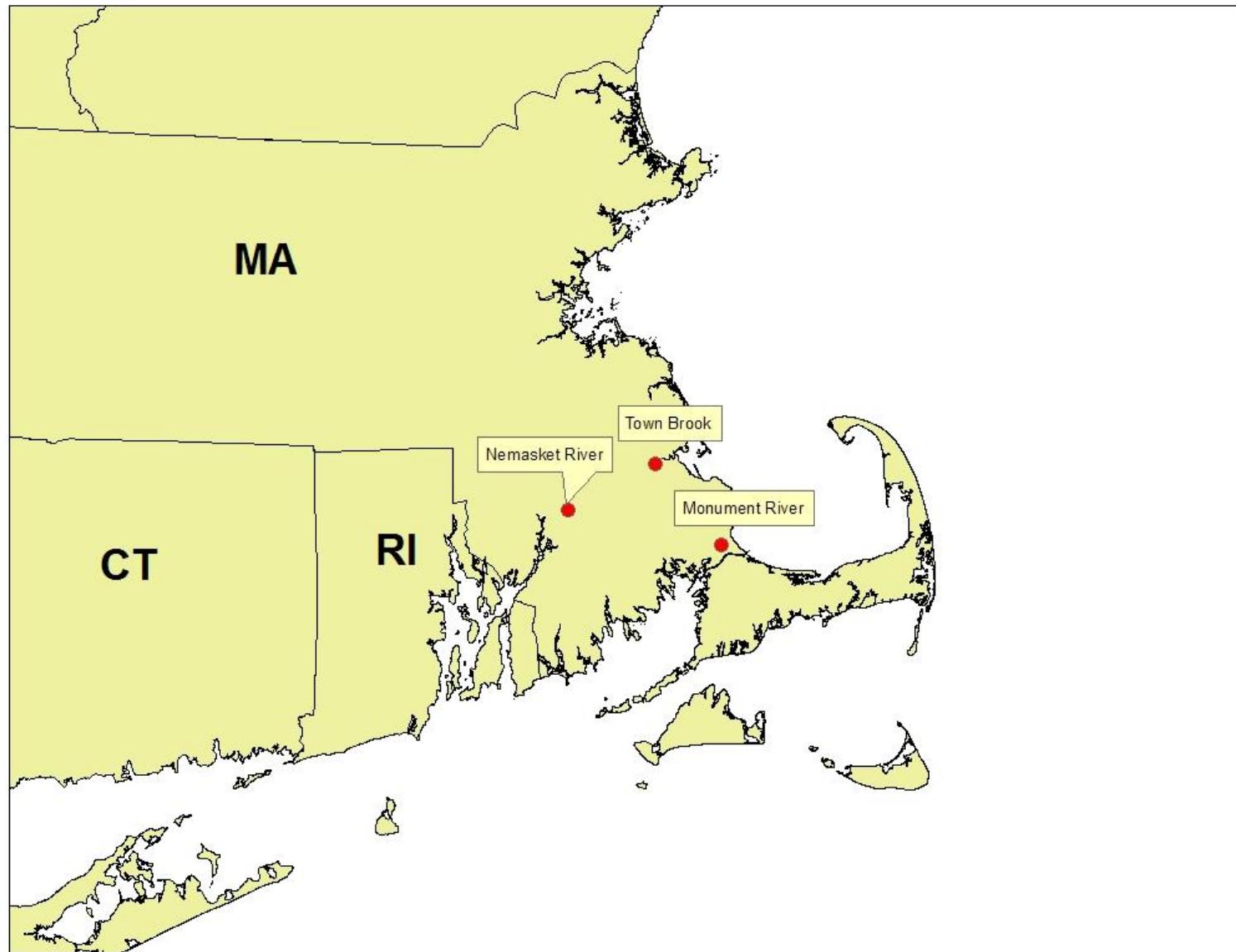
Run Counts 1983-2007



Year Class Strength as indexed at Age-5



Age Sampling Locations



Monument River Alewives

	Age 3	Age 4	Age 5	Age 6	Age 7	Age 8	Run Size
1995	10,102	94,289	42,093	10,102	1,684	0	158,271
1996	37,858	44,539	24,496	2,227	0	0	109,120
1997	35,821	228,704	41,332	2,755	0	0	308,613
1998	30,489	119,923	58,945	4,065	0	0	213,423
1999	19,383	52,250	30,339	843	0	0	102,814
2000	52,354	440,875	90,931	13,777	0	0	597,937
2001	40,652	237,814	107,728	12,196	2,033	0	400,422
2002	26,125	81,745	68,262	5,899	0	0	182,031
2003	8,271	71,685	30,328	5,514	919	0	116,718
2004	5,911	91,627	23,646	0	0	0	121,184
2005	8,056	47,797	22,019	1,611	0	0	79,483
2006	15,119	25,791	9,783	1,779	0	0	52,472
2007	25,863	35,138	6,778	892	713	0	69,385
2008	17,716	38,239	23,505	4,210	351	175	84,196
2009	6,670	93,386	43,358	11,117	0	0	154,532
median	16,418	76,715	26,987	4,862	0	0	118,951

Relationship between Autumn rainfall and Spawner Abundance

